









No. 201

## Breakdown of Unit Price

Work : Care of water for levee and road construction

Unit price : F/C 17.81 US\$/day L/C 14.50 US\$/day

(Total 32.31 equiv.US\$/day)

Remarks : 1 day basis for the length of 100 m (one unit)

10 days per unit in principal

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Mechanic		m.d.	0.20		0.00	9.28	1.86
c) Common labor		m.d.	1.00		0.00	4.64	4.64
sub-total 1					0.00		8.36
<b>2 Material</b>							
a) Light oil		lit.	27.40	0.16	4.38	0.04	1.10
b) Lubricant	20 % of a)	L.S.	1.00		0.88		0.22
sub-total 2					5.26		1.32
<b>3 Equipment</b>							
a) Submersible pump	2 in	day	2.00	0.29	0.58	0.07	0.14
b) Submersible pump	4 in	day	2.00	0.95	1.90	0.24	0.48
c) Diesel generator	20 kVA	day	1.00	7.10	7.10	1.78	1.78
sub-total 3					9.58		2.40
<b>4 Overhead</b>	20%	L.S.	1.00		2.97		2.42
Total for dewatering per day					17.81		14.50
<b>Unit Price</b>							
Dewatering for Package 1, Stage I		day	250.00	17.81	4,450.00	14.50	3,630.00
10 days x 25		sites =	250.00 days				
Dewatering for Package 1, Stage II		day	250.00	17.81	4,450.00	14.50	3,630.00
10 days x 25		sites =	250.00 days				
Dewatering for Package 1, Stage III		day	0.00	17.81	0.00	14.50	0.00
0 days x 0		sites =	0.00 days				
Dewatering for Package 2, Tanjungan		day	40.00	17.81	710.00	14.50	580.00
10 days x 4		sites =	40.00 days				
Dewatering for Package 2, PIK Junction		day	0.00	17.81	0.00	14.50	0.00
10 days x 0		sites =	0.00 days				
Dewatering for Package 3, Gede/Bor		day	0.00	17.81	0.00	14.50	0.00
10 days x 0		sites =	0.00 days				
Dewatering for Package 3, S. Cengkareng		day	150.00	17.81	2,670.00	14.50	2,180.00
10 days x 15		sites =	150.00 days				
Dewatering for Package 3, Meruya		day	0.00	17.81	0.00	14.50	0.00
10 days x 0		sites =	0.00 days				
Note : Estimated cost counts for the location where no revetments are provided.							

No. 202

**Breakdown of Unit Price**

Work : Care of water for parapet wall construction

Unit price : F/C 17.81 US\$/day L/C 14.50 US\$/day

(Total 32.31 equiv.US\$/day)

Remarks : 1 day basis for the length of 100 m (one unit)

30 days per unit in principal

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Mechanic		m.d.	0.20		0.00	9.28	1.86
c) Common labor		m.d.	1.00		0.00	4.64	4.64
sub-total 1					0.00		8.36
<b>2 Material</b>							
a) Light oil		lit.	27.40	0.16	4.38	0.04	1.10
b) Lubricant	20 % of a)	L.S.	1.00		0.88		0.22
sub-total 2					5.26		1.32
<b>3 Equipment</b>							
a) Submersible pump	2 in	day	2.00	0.29	0.58	0.07	0.14
b) Submersible pump	4 in	day	2.00	0.95	1.90	0.24	0.48
c) Diesel generator	20 kVA	day	1.00	7.10	7.10	1.78	1.78
sub-total 3					9.58		2.40
<b>4 Overhead</b>	20%	L.S.	1.00		2.97		2.42
<b>Total for dewatering per day</b>					17.81		14.50
<b>Unit Price</b>							
Dewatering for Package 1		day	0.00	17.81	0.00	14.50	0.00
30 days x	0	sites =	0.00	days			
Dewatering for Package 2		day	0.00	17.81	0.00	14.50	0.00
30 days x	0	sites =	0.00	days			
Dewatering for Package 3		day	0.00	17.81	0.00	14.50	0.00
30 days x	0	sites =	0.00	days			
Note : Estimated cost counts for the location where no revetments are provided.							

No. 203

## Breakdown of Unit Price

Work : Care of water for concrete wall construction

Unit price : F/C 17.81 USS/day L/C 14.50 USS/day

(Total 32.31 equiv.USS/ day)

Remarks : 1 day basis for the length of 100 m (one unit)

30 days per unit in principal

Particular	Description	Unit	Q'ty	F/C Portion (USS)		L/C Portion (USS)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Mechanic		m.d.	0.20		0.00	9.28	1.86
c) Common labor		m.d.	1.00		0.00	4.64	4.64
sub-total 1					0.00		8.36
<b>2 Material</b>							
a) Light oil		lit.	27.40	0.16	4.38	0.04	1.10
b) Lubricant	20 % of a)	L.S.	1.00		0.88		0.22
sub-total 2					5.26		1.32
<b>3 Equipment</b>							
a) Submersible pump	2 in	day	2.00	0.29	0.58	0.07	0.14
b) Submersible pump	4 in	day	2.00	0.95	1.90	0.24	0.48
c) Diesel generator	20 kVA	day	1.00	7.10	7.10	1.78	1.78
sub-total 3					9.58		2.40
<b>4 Overhead</b>	20%	L.S.	1.00		2.97		2.42
<b>Total for dewatering per day</b>					17.81		14.50
<b>Unit Price</b>							
Dewatering for Package 1		day	0.00	17.81	0.00	14.50	0.00
30 days x	0	sites =	0.00	days			
Dewatering for Package 2, Tanjungan		day	300.00	17.81	5,340.00	14.50	4,350.00
30 days x	10	sites =	300.00	days			
Dewatering for Package 2, PIK Junction		day	0.00	17.81	0.00	14.50	0.00
0 days x	0	sites =	0.00	days			
Dewatering for Package 3		day	0.00	17.81	0.00	14.50	0.00
30 days x	0	sites =	0.00	days			

No. 204

## Breakdown of Unit Price

Work : Care of water for revetment I construction

Unit price : F/C 17.81 US\$/day L/C 14.50 US\$/day  
 (Total 32.31 equiv. US\$/day)

Remarks : 1 day basis for the length of 100 m (one unit)

20 days per unit in principal

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Mechanic		m.d.	0.20		0.00	9.28	1.86
c) Common labor		m.d.	1.00		0.00	4.64	4.64
sub-total 1					0.00		8.36
<b>2 Material</b>							
a) Light oil		lit.	27.40	0.16	4.38	0.04	1.10
b) Lubricant	20 % of a)	L.S.	1.00		0.88		0.22
sub-total 2					5.26		1.32
<b>3 Equipment</b>							
a) Submersible pump	2 in	day	2.00	0.29	0.58	0.07	0.14
b) Submersible pump	4 in	day	2.00	0.95	1.90	0.24	0.48
c) Diesel generator	20 kVA	day	1.00	7.10	7.10	1.78	1.78
sub-total 3					9.58		2.40
<b>4 Overhead</b>	20%	L.S.	1.00		2.97		2.42
Total for dewatering per day					17.81		14.50
<b>Unit Price</b>							
Dewatering for Package 1, Stage I		day	0.00	17.81	0.00	14.50	0.00
20 days x 0		sites =	0.00	days			
Dewatering for Package 1, Stage II		day	300.00	17.81	5,340.00	14.50	4,350.00
20 days x 15		sites =	300.00	days			
Dewatering for Package 1, Stage III		day	420.00	17.81	7,480.00	14.50	6,090.00
20 days x 21		sites =	420.00	days			
Dewatering for Package 2		day	0.00	17.81	0.00	14.50	0.00
20 days x 0		sites =	0.00	days			
Dewatering for Package 3, Gede/Bor		day	60.00	17.81	1,070.00	14.50	870.00
20 days x 3		sites =	60.00	days			
Dewatering for Package 3, S. Cengkareng		day	1,180.00	17.81	21,020.00	14.50	17,110.00
20 days x 59		sites =	1,180.00	days			
Dewatering for Package 3, Meruya		day	0.00	17.81	0.00	14.50	0.00
20 days x 0		sites =	0.00	days			



No. 205		Breakdown of Unit Price					
Work :		Care of water for revetment II construction					
Unit price :		F/C 17.81 US\$/day		L/C 14.50 US\$/day			
		(Total 32.31 equiv.US\$/day)					
Remarks :		1 day basis for the length of 100 m (one unit)					
		20 days per unit in principal					
Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a)	Foreman	m.d.	0.20		0.00	9.28	1.86
b)	Mechanic	m.d.	0.20		0.00	9.28	1.86
c)	Common labor	m.d.	1.00		0.00	4.64	4.64
sub-total 1					0.00		8.36
<b>2 Material</b>							
a)	Light oil	lit.	27.40	0.16	4.38	0.04	1.10
b)	Lubricant	20 % of a)	L.S.	1.00		0.88	0.22
sub-total 2					5.26		1.32
<b>3 Equipment</b>							
a)	Submersible pump	2 in	day	2.00	0.29	0.58	0.07
b)	Submersible pump	4 in	day	2.00	0.95	1.90	0.24
c)	Diesel generator	20 kVA	day	1.00	7.10	7.10	1.78
sub-total 3					9.58		2.40
<b>4 Overhead</b>							
		20%	L.S.	1.00		2.97	2.42
Total for dewatering per day					17.81		14.50
<b>Unit Price</b>							
Dewatering for Package 1, Stage I		day	0.00	17.81	0.00	14.50	0.00
20	days x	0	sites =	0.00	days		
Dewatering for Package 1, Stage II		day	170.00	17.81	3,030.00	14.50	2,470.00
20	days x	8.5	sites =	170.00	days		
Dewatering for Package 1, Stage III		day	490.00	17.81	8,730.00	14.50	7,110.00
20	days x	24.5	sites =	490.00	days		
Dewatering for Package 2, Tanjungan		day	80.00	17.81	1,420.00	14.50	1,160.00
20	days x	4	sites =	80.00	days		
Dewatering for Package 2, PIK Junction		day	0.00	17.81	0.00	14.50	0.00
20	days x	0	sites =	0.00	days		
Dewatering for Package 3, Gede/Bor		day	430.00	17.81	7,660.00	14.50	6,240.00
20	days x	21.5	sites =	430.00	days		
Dewatering for Package 3, S. Cengkareng		day	370.00	17.81	6,590.00	14.50	5,370.00
20	days x	18.5	sites =	370.00	days		
Dewatering for Package 3, Meruya		day	0.00	17.81	0.00	14.50	0.00
20	days x	0	sites =	0.00	days		

No. 206

## Breakdown of Unit Price

Work : Care of water for ditch/culvert construction

Unit price : F/C 17.81 US\$/day L/C 14.50 US\$/day(Total 32.31 equiv.US\$/day)

Remarks : 1 day basis for the length of 100 m (one unit)

20 days per unit in principal

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Mechanic		m.d.	0.20		0.00	9.28	1.86
c) Common labor		m.d.	1.00		0.00	4.64	4.64
sub-total 1					0.00		8.36
<b>2 Material</b>							
a) Light oil		lit.	27.40	0.16	4.38	0.04	1.10
b) Lubricant	20 % of a)	L.S.	1.00		0.88		0.22
sub-total 2					5.26		1.32
<b>3 Equipment</b>							
a) Submersible pump	2 in	day	2.00	0.29	0.58	0.07	0.14
b) Submersible pump	4 in	day	2.00	0.95	1.90	0.24	0.48
c) Diesel generator	20 kVA	day	1.00	7.10	7.10	1.78	1.78
sub-total 3					9.58		2.40
<b>4 Overhead</b>	20%	L.S.	1.00		2.97		2.42
Total for dewatering per day					17.81		14.50
<b>Unit Price</b>							
Dewatering for Package 1, Stage III		day	100.00	17.81	1,780.00	14.50	1,450.00
20 days x	5	sites =	100.00	days			
Dewatering for Package 3, S. Cengkareng		day	560.00	17.81	9,970.00	14.50	8,120.00
20 days x	28	sites =	560.00	days			
Excavation for river diversion		cu.m	8,000.00	2.53	20,240.00	1.38	11,040.00
	(ref. to No. 213)						
Embankment in river diversion		cu.m	8,000.00	3.53	28,240.00	2.34	18,720.00
	(ref. to No. 215)						
Bamboo mat	(ref to No. 221)	sq.m	2,350.00	0.83	1,950.00	7.76	18,240.00
Bamboo waling	(ref to No. 222)	lin.m	3,200.00	0.04	130.00	1.01	3,230.00
Furnishing sheet pile	(ref to No. B-10)	sq.m	5,000.00		0.00		0.00
Driving sheet pile	(ref to No. B-12)	sq.m	5,000.00		0.00		0.00
Total for Package 3					58,450.00		37,880.00

No. 207

## Breakdown of Unit Price

Work : Care of water for drainage facility construction

Unit price : F/C 17.81 US\$/day L/C 14.50 US\$/day  
 (Total 32.31 equiv.US\$/ day)

Remarks : 1 day basis for one site  
10 days per site in principal

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Mechanic		m.d.	0.20		0.00	9.28	1.86
c) Common labor		m.d.	1.00		0.00	4.64	4.64
sub-total 1					0.00		8.36
<b>2 Material</b>							
a) Light oil		lit.	27.40	0.16	4.38	0.04	1.10
b) Lubricant	20 % of a)	L.S.	1.00		0.88		0.22
sub-total 2					5.26		1.32
<b>3 Equipment</b>							
a) Submersible pump	2 in	day	2.00	0.29	0.58	0.07	0.14
b) Submersible pump	4 in	day	2.00	0.95	1.90	0.24	0.48
c) Diesel generator	20 kVA	day	1.00	7.10	7.10	1.78	1.78
sub-total 3					9.58		2.40
<b>4 Overhead</b>	20%	L.S.	1.00		2.97		2.42
<b>Total for dewatering per day</b>					17.81		14.50
<b>Unit Price</b>							
Dewatering for Package 1, Stage I		day	0.00	17.81	0.00	14.50	0.00
10 days x 0		sites =	0.00	days			
Dewatering for Package 1, Stage II		day	130.00	17.81	2,320.00	14.50	1,890.00
10 days x 13		sites =	130.00	days			
Dewatering for Package 1, Stage III		day	140.00	17.81	2,490.00	14.50	2,030.00
10 days x 14		sites =	140.00	days			
Dewatering for Package 2, Tanjungan		day	70.00	17.81	1,250.00	14.50	1,020.00
10 days x 7		sites =	70.00	days			
Dewatering for Package 2, PIK Junction		day	10.00	17.81	180.00	14.50	150.00
10 days x 1		sites =	10.00	days			
Dewatering for Package 3, Gede/Bor		day	60.00	17.81	1,070.00	14.50	870.00
10 days x 6		sites =	60.00	days			
Dewatering for Package 3, S. Cengkareng		day	200.00	17.81	3,560.00	14.50	2,900.00
10 days x 20		sites =	200.00	days			
Dewatering for Package 3, Meruya		day	0.00	17.81	0.00	14.50	0.00
10 days x 0		sites =	0.00	days			

No. 208

## Breakdown of Unit Price

Work : Care of water for connection canal/cross drain construction

Unit price : F/C 17.81 US\$/day L/C 14.50 US\$/day

(Total 32.31 equiv.US\$/day)

Remarks : 1 day basis for the length of 100 m (one unit)

5 days per unit in principal

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Mechanic		m.d.	0.20		0.00	9.28	1.86
c) Common labor		m.d.	1.00		0.00	4.64	4.64
sub-total 1					0.00		8.36
<b>2 Material</b>							
a) Light oil		lit.	27.40	0.16	4.38	0.04	1.10
b) Lubricant	20 % of a)	L.S.	1.00		0.88		0.22
sub-total 2					5.26		1.32
<b>3 Equipment</b>							
a) Submersible pump	2 in	day	2.00	0.29	0.58	0.07	0.14
b) Submersible pump	4 in	day	2.00	0.95	1.90	0.24	0.48
c) Diesel generator	20 kVA	day	1.00	7.10	7.10	1.78	1.78
sub-total 3					9.58		2.40
<b>4 Overhead</b>	20%	L.S.	1.00		2.97		2.42
<b>Total for dewatering per day</b>					17.81		14.50
<b>Unit Price</b>							
Dewatering for Package 1, Stage I		day	0.00	17.81	0.00	14.50	0.00
5 days x 0		sites =	0.00	days			
Dewatering for Package 1, Stage II		day	60.00	17.81	1,070.00	14.50	870.00
5 days x 12		sites =	60.00	days			
Dewatering for Package 1, Stage III		day	40.00	17.81	710.00	14.50	580.00
5 days x 8		sites =	40.00	days			
Dewatering for Package 2, Tanjungan		day	25.00	17.81	450.00	14.50	360.00
5 days x 5		sites =	25.00	days			
Dewatering for Package 2, PIK Junction		day	0.00	17.81	0.00	14.50	0.00
5 days x 0		sites =	0.00	days			
Dewatering for Package 3, Gede/Bor		day	15.00	17.81	270.00	14.50	220.00
5 days x 3		sites =	15.00	days			
Dewatering for Package 3, S. Cengkareng		day	60.00	17.81	1,070.00	14.50	870.00
5 days x 12		sites =	60.00	days			
Dewatering for Package 3, Meruya		day	0.00	17.81	0.00	14.50	0.00
5 days x 0		sites =	0.00	days			







No. 210

Breakdown of Unit Price

Work : Demolishing, hauling and disposing concrete structure

Unit price : F/C 3.81 US\$/m3 L/C 3.51 US\$/m3

(Total 7.32 equiv.US\$/ m3)

Remarks :

Hauling distance : 15,000 m 40 m3 basis

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	2.00		0.00	9.28	18.56
b) Operator A		m.d.	1.80		0.00	10.60	19.08
c) Operator B		m.d.	0.18		0.00	7.28	1.31
d) Common labor		m.d.	10.00		0.00	4.64	46.40
sub-total 1					0.00		85.35
<b>2 Material</b>							
a) Light oil		lit.	252.80	0.16	40.45	0.04	10.11
b) Lubricant	20 % of a)	L.S.	1.00		8.09		2.02
sub-total 2					48.54		12.13
<b>3 Equipment</b>							
a) Concrete breaker	800 kg	day	1.00	22.86	22.86	5.71	5.71
b) Dump truck	8 t	hr	10.83	4.90	53.07	1.23	13.32
c) Bulldozer, LGP	16 t	hr	0.17	17.22	2.93	4.30	0.73
sub-total 3					78.86		19.76
<b>4 Overhead</b>	20%	L.S.	1.00		25.00		23.00
Total for	40 m3 basis				152.40		140.24
Unit price for 1 m3					3.81		3.51



No. 211

Breakdown of Unit Price

Work : Demolishing, hauling and disposing asphalt/masonry structure

Unit price : F/C 3.23 US\$/m<sup>3</sup> L/C 2.47 US\$/m<sup>3</sup>  
 (Total 5.70 equiv.US\$/ m<sup>3</sup>)

Remarks :

Hauling distance : 15,000 m 60 m<sup>3</sup> basis

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	2.00		0.00	9.28	18.56
b) Operator A		m.d.	2.44		0.00	10.60	25.86
c) Operator B		m.d.	0.19		0.00	7.28	1.38
d) Common labor		m.d.	8.00		0.00	4.64	37.12
sub-total 1					0.00		82.92
<b>2 Material</b>							
a) Light oil		lit.	318.30	0.16	50.93	0.04	12.73
b) Lubricant	20 % of a)	L.S.	1.00		10.19		2.55
sub-total 2					61.12		15.28
<b>3 Equipment</b>							
a) Concrete breaker	800 kg	day	1.00	22.86	22.86	5.71	5.71
b) Dump truck	8 t	hr	15.00	4.90	73.50	1.23	18.45
c) Bulldozer, LGP	16 t	hr	0.24	17.22	4.13	4.30	1.03
sub-total 3					100.49		25.19
<b>4 Overhead</b>	20%	L.S.	1.00		32.00		25.00
<b>Total for</b>	60 m <sup>3</sup> basis				193.61		148.39
<b>Unit price for 1 m<sup>3</sup></b>					3.23		2.47

No. 212

Breakdown of Unit Price

Work : Stripping, grubbing and clearing  
 Unit price : F/C 0.86 US\$/m2 L/C 0.47 US\$/m2  
 (Total 1.33 equiv.US\$/ m2)  
 Remarks : Hauling : 75%, remaining material : sod facing  
Hauling distance : 15,000 m 500 m2 basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Labor							
a) Foreman		m.d.	1.00		0.00	9.28	9.28
b) Operator A		m.d.	4.77		0.00	10.60	50.56
c) Operator B		m.d.	1.26		0.00	7.28	9.17
d) Common labor		m.d.	7.77		0.00	4.64	36.05
sub-total 1					0.00		105.06
2 Material							
a) Light oil		lit.	518.50	0.16	82.96	0.04	20.74
b) Lubricant	20 % of a)	L.S.	1.00		16.59		4.15
sub-total 2					99.55		24.89
3 Equipment							
a) Bulldozer, LGP	16 t	hr	8.00	17.22	137.76	4.30	34.40
c) Dump truck	8 t	hr	23.44	4.90	114.86	1.23	28.83
d) Bulldozer, LGP	16 t	hr	0.38	17.22	6.54	4.30	1.63
sub-total 3					259.16		64.86
4 Overhead	20%	L.S.	1.00		72.00		39.00
Total for	500	m2 basis			430.71		233.81
Unit price for 1 m2					0.86		0.47

No. 213

Breakdown of Unit Price

Work: Excavation of existing drainage and structure

Unit price: F/C 2.53 US\$/m<sup>3</sup> L/C 1.38 US\$/m<sup>3</sup>  
 (Total 3.91 equiv.US\$/ m<sup>3</sup>)

Remarks: Conversion factor: Bank:1.00 Loose:1.35 Compact:0.90

Hauling distance: 15,000 m 360 m<sup>3</sup> basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	1.00		0.00	9.28	9.28
b) Operator A		m.d.	12.63		0.00	10.60	133.88
c) Operator B		m.d.	1.38		0.00	7.28	10.05
d) Common labor		m.d.	15.63		0.00	4.64	72.52
sub-total 1					0.00		225.73
<b>2 Material</b>							
a) Light oil		lit.	1,352.00	0.16	216.32	0.04	54.08
b) Lubricant	20 % of a)	L.S.	1.00		43.26		10.82
sub-total 2					259.58		64.90
<b>3 Equipment</b>							
a) Backhoe	0.8 m <sup>3</sup>	hr	8.00	13.76	110.08	3.44	27.52
c) Dump truck	8 t	hr	75.00	4.90	367.50	1.23	92.25
d) Bulldozer, LGP	16 t	hr	1.20	17.22	20.66	4.30	5.16
sub-total 3					498.24		124.93
<b>4 Overhead</b>	20%	L.S.	1.00		152.00		83.00
<b>Total for</b>	<b>360 m<sup>3</sup> basis</b>				<b>909.82</b>		<b>498.56</b>
<b>Unit price for 1 m<sup>3</sup></b>					<b>2.53</b>		<b>1.38</b>

No. 214

Breakdown of Unit Price

Work : Trench excavation, earth

Unit price : F/C 3.28 US\$/m3 L/C 1.89 US\$/m3  
 (Total 5.17 equiv.US\$/ m3)

Remarks : Conversion factor : Bank:1.00 Loose:1.35 Compact:0.90

Hauling distance : 15,000 m 88 m3 basis

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.50		0.00	9.28	4.64
b) Operator A		m.d.	3.44		0.00	10.60	36.46
c) Operator B		m.d.	1.24		0.00	7.28	9.03
d) Common labor		m.d.	5.94		0.00	4.64	27.56
sub-total 1					0.00		77.69
<b>2 Material</b>							
a) Light oil		lit.	286.40	0.16	45.82	0.04	11.46
b) Lubricant	20 % of a)	L.S.	1.00		9.16		2.29
sub-total 2					54.98		13.75
<b>3 Equipment</b>							
a) Backhoe	0.2 m3	hr	8.00	13.76	110.08	3.44	27.52
c) Dump truck	8 t	hr	14.67	4.90	71.88	1.23	18.04
d) Bulldozer, LGP	16 t	hr	0.24	17.22	4.13	4.30	1.03
sub-total 3					186.09		46.59
<b>4 Overhead</b>	20%	L.S.	1.00		48.00		28.00
<b>Total for</b>	88 m3 basis				289.07		166.03
<b>Unit price for 1 m3</b>					3.28		1.89

No. 215

Breakdown of Unit Price

Work : Embankment, earth

Unit price : F/C 3.53 USS/m3 L/C 2.34 USS/m3

(Total 5.87 equiv.USS/ m3)

Remarks : 784 m3 basis

Particular	Description	Unit	Q'ty	F/C Portion (USS)		L/C Portion (USS)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	3.14		0.00	9.28	29.14
b) Operator A		m.d.	2.60		0.00	10.60	27.56
c) Operator B		m.d.	2.60		0.00	7.28	18.93
d) Common labor		m.d.	8.88		0.00	4.64	41.20
sub-total 1					0.00		116.83
<b>2 Material</b>							
a) Light oil		lit.	246.20	0.16	39.39	0.04	9.85
b) Lubricant	20 % of a)	L.S.	1.00		7.88		1.97
c) Earth material		cu.m	784.00	2.55	1,999.20	1.70	1,332.80
sub-total 2					2,046.47		1,344.62
<b>3 Equipment</b>							
a) Bulldozer, LGP	16 t	hr	6.67	17.22	114.86	4.30	28.68
b) Vibration roller	8 t	hr	6.67	10.01	66.77	2.50	16.68
c) Vib.roller,hand	0.6 t	hr	2.00	0.93	1.86	0.23	0.46
d) Sprinkler truck	4 kl	hr	4.00	19.42	77.68	4.86	19.44
sub-total 3					261.17		65.26
<b>4 Overhead</b>							
	20%	L.S.	1.00		461.53		305.34
Total for	784 m3				2,769.17		1,832.05
Unit price for 1 m3					3.53		2.34

No. 216

**Breakdown of Unit Price**

Work : Dump filling with provision of pollution prevention measurement

Unit price : F/C 15.51 US\$/m3 L/C 5.30 US\$/m3  
 (Total 20.81 equiv.US\$/m3)

Remarks : 46,563 m3 basis Sheet pile : 6.00 m long 1,650  
 3,117 m long 0.4 m wide 3.00 m driven sheets

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1	Embankment, earth (Ref.to No.215)	cu.m	46,563	3.53	164,367	2.34	108,957
2	Dewatering (Ref.to No.B-7)	L.S.	1	5,737.00	5,737	2,871.00	2,871
3	Steel sheet pile driving (Ref.to No.B-8)	sq.m	24,150	7.35	177,503	2.64	63,756
4	Steel sheet pile extracting (Ref.to No.B-9)	sq.m	24,150	4.90	118,335	1.76	42,504
5	Steel sheet pile, U-type II (Ref.to No.B-11)	sq.m	3,960	64.70	256,212	7.20	28,512
	Total for 46,563 m3				722,154		246,600
	Unit price for 1 m3				15.51		5.30

No. 217		Breakdown of Unit Price							
Work :		Back filling with selected material							
Unit price :		F/C		0.40 USS/m3		L/C		1.30 USS/m3	
		(Total		1.70 equiv.USS/ m3)					
Remarks :		Using small equipment		80 m3 basis					
Particular	Description	Unit	Q'ty	F/C Portion (USS)		L/C Portion (USS)			
				Unit cost	Amount	Unit cost	Amount		
1	Labor								
a)	Foreman	m.d.	2.00		0.00	9.28	18.56		
b)	Operator A	m.d.	1.80		0.00	10.60	19.08		
c)	Operator B	m.d.	1.80		0.00	7.28	13.10		
d)	Common labor	m.d.	7.00		0.00	4.64	32.48		
	sub-total 1				0.00		83.22		
2	Material								
a)	Light oil	lit.	90.40	0.16	14.46	0.04	3.62		
b)	Lubricant	L.S.	1.00		2.89		0.72		
	sub-total 2				17.35		4.34		
3	Equipment								
a)	Backhoe	0.2 m3	hr	12.00	6.54	78.48	1.63	19.56	
b)	Vib.roller,hand	0.6 t	hr	8.00	0.93	7.44	0.23	1.84	
	sub-total 3				7.44		1.84		
4	Overhead	20%	L.S.	1.00		4.96		17.88	
	Total for 80 m3					29.75		107.28	
	Unit price for 1 m3					0.40		1.30	

No. 218

**Breakdown of Unit Price**

Work : Fillig up by random material

Unit price : F/C 0.30 US\$/m<sup>3</sup> L/C 1.10 US\$/m<sup>3</sup>  
 (Total 1.40 equiv.US\$/ m<sup>3</sup>)

Remarks : Using small equipment 80 m<sup>3</sup> basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	2.00		0.00	9.28	18.56
b) Operator A		m.d.	1.50		0.00	10.60	15.90
c) Operator B		m.d.	1.50		0.00	7.28	10.92
d) Common labor		m.d.	5.50		0.00	4.64	25.52
sub-total 1					0.00		70.90
<b>2 Material</b>							
a) Light oil		lit.	76.40	0.16	12.22	0.04	3.06
b) Lubricant	20 % of a)	L.S.	1.00		2.44		0.61
sub-total 2					14.66		3.67
<b>3 Equipment</b>							
a) Backhoe	0.2 m <sup>3</sup>	hr	10.00	6.54	65.40	1.63	16.30
b) Vib.roller,hand	0.6 t	hr	8.00	0.93	7.44	0.23	1.84
sub-total 3					7.44		1.84
<b>4 Overhead</b>	20%	L.S.	1.00		4.42		15.28
<b>Total for 80 m<sup>3</sup></b>					26.52		91.69
<b>Unit price for 1 m<sup>3</sup></b>					0.30		1.10



No. 219		Breakdown of Unit Price					
Work :		Geo-textile, t=1.5mm					
Unit price :		F/C		L/C			
		0.71 US\$/m <sup>2</sup>		1.49 US\$/m <sup>2</sup>			
		(Total 2.20 equiv.US\$/ m <sup>2</sup> )					
Remarks :							
		100 m <sup>2</sup> basis					
Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Labor							
a) Foreman		m.d.	2.00		0.00	9.28	18.56
b) Common labor		m.d.	10.00		0.00	4.64	46.40
sub-total 1					0.00		64.96
2 Material							
a) Geo-textile	t=1.5 mm	sq.m	105.00	0.56	58.80	0.56	58.80
sub-total 2					58.80		58.80
3 Overhead	20%	L.S.	1.00		11.76		24.75
Total for 100 m <sup>2</sup>					70.56		148.51
Unit price for 1 m <sup>2</sup>					0.71		1.49





No. 222

**Breakdown of Unit Price**

Work : Bamboo waling

Unit price : F/C 0.04 US\$/m L/C 1.01 US\$/m

(Total 1.05 equiv.US\$/ m)

Remarks : 100 m basis bamboo mat : 100.00 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	1.00		0.00	9.28	9.28
b) Skilled labor		m.d.	3.00		0.00	7.28	21.84
c) Common labor		m.d.	6.00		0.00	4.64	27.84
sub-total 1					0.00		58.96
<b>2 Material</b>							
a) Bamboo	D=80-100mm	lin.m	100.00	0.03	3.00	0.24	24.00
b) Miscellaneous	5%	L.S.	1.00		0.15		1.20
sub-total 2					3.15		25.20
<b>3 Overhead</b>	20%	L.S.	1.00		0.63		16.83
Total for	100 m				3.78		100.99
Unit price for 1 m					0.04		1.01

No. 301

**Breakdown of Unit Price**

Work : Gravel bedding & Rubble/cobble filling  
 Unit price : F/C 8.76 USS/m3 L/C 4.40 USS/m3  
 (Total 13.16 equiv.USS/ m3)  
 Remarks : Material : procure from supplier Unit weight : 1.9 t/m3 100 m3 or 190 ton basis  
100 m3 basis

Particular	Description	Unit	Q'ty	F/C Portion (USS)		L/C Portion (USS)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	1.00		0.00	9.28	9.28
b) Common labor		m.d.	10.00		0.00	4.64	46.40
sub-total 1					0.00		55.68
<b>2 Material</b>							
a) Light oil		lit.	6.40	0.16	1.02	0.04	0.26
b) Lubricant	20 % of a)	L.S.	1.00		0.20		0.05
c) Stone material		cu.m	100.00	7.21	721.00	3.09	309.00
sub-total 2					722.22		309.31
<b>3 Equipment</b>							
a) Vib.roller, hand	0.6 t	hr	8.00	0.93	7.44	0.23	1.84
sub-total 3					7.44		1.84
<b>4 Overhead</b>	20%	L.S.	1.00		145.93		73.37
<b>Total for 100 m3</b>					875.59		440.20
<b>Unit price for 1 m3</b>					8.76		4.40



No. 303

## Breakdown of Unit Price

Work : Wet cobble/rubble masonry, type 1Unit price : F/C 18.60 US\$/m<sup>3</sup> L/C 14.50 US\$/m<sup>3</sup>(Total 33.10 equiv.US\$/m<sup>3</sup>)Remarks : 20 sq m at 50 cm thickness basis10 cu m basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	1.00		0.00	9.28	9.28
b) Mason		m.d.	2.00		0.00	7.28	14.56
c) Concrete worker		m.d.	1.00		0.00	5.32	5.32
d) Carpenter		m.d.	1.00		0.00	7.28	7.28
e) Common labor		m.d.	4.00		0.00	4.64	18.56
sub-total 1					0.00		55.00
<b>2 Material</b>							
a) Rubble		cu.m	4.72	7.21	34.03	3.09	14.58
b) Gravel&sand		cu.m	5.68	7.21	40.95	3.09	17.55
c) Cement		ton	1.02	53.62	54.69	22.98	23.44
d) Aggregate		cu.m	1.32	10.85	14.32	4.65	6.14
e) Light oil		lit.	4.10	0.16	0.66	0.04	0.16
e) Lubricant	20% of e)	L.S.	1.00		0.13		0.03
e) Miscellaneous	5%	L.S.	1.00		7.24		3.10
sub-total 2					152.02		65.00
<b>3 Equipment</b>							
a) Concrete mixer	0.2 m <sup>3</sup>	day	0.15	11.45	1.72	2.86	0.43
b) Diesel generator	20 kVA	day	0.15	7.10	1.07	1.78	0.27
sub-total 3					2.79		0.70
<b>4 Overhead</b>	20%	L.S.	1.00		30.96		24.14
Total for	10 m <sup>3</sup>				185.77		144.84
Unit price for 1 m <sup>3</sup>					18.60		14.50

No. 304

## Breakdown of Unit Price

Work : Wet cobble/rubble masonry, type 2

Unit price : F/C 25.90 US\$/m<sup>3</sup> L/C 18.70 US\$/m<sup>3</sup>(Total 44.60 equiv. US\$/m<sup>3</sup>)

Remarks : 40 sq m at 25 cm thickness (masonry: 20cm+cone.: 5cm) basis

10 cu.m basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	1.00		0.00	9.28	9.28
b) Mason		m.d.	2.00		0.00	7.28	14.56
c) Concrete worker		m.d.	1.00		0.00	5.32	5.32
d) Carpenter		m.d.	1.00		0.00	7.28	7.28
e) Common labor		m.d.	6.00		0.00	4.64	27.84
sub-total 1					0.00		64.28
<b>2 Material</b>							
a) Rubble		cu.m	3.80	7.21	27.40	3.09	11.74
b) Gravel&sand		cu.m	4.57	7.21	32.95	3.09	14.12
c) Cement		ton	0.81	53.62	43.43	22.98	18.61
d) Aggregate		cu.m	1.07	10.85	11.61	4.65	4.98
e) Concrete, type 5	K-125-10-25	cu.m	2.00	43.35	86.70	18.58	37.16
f) Light oil		lit.	4.10	0.16	0.66	0.04	0.16
g) Lubricant	20 % of f)	L.S.	1.00		0.13		0.03
h) Miscellaneous	5%	L.S.	1.00		10.14		4.34
sub-total 2					213.02		91.14
<b>3 Equipment</b>							
a) Concrete mixer	0.2 m <sup>3</sup>	day	0.15	11.45	1.72	2.86	0.43
b) Diesel generator	20 kVA	day	0.15	7.10	1.07	1.78	0.27
sub-total 3					2.79		0.70
<b>4 Overhead</b>	20%	L.S.	1.00		43.16		31.27
Total for	10 m <sup>3</sup>				258.97		187.34
Unit price for 1 m <sup>3</sup>					25.90		18.70



No. 305

## Breakdown of Unit Price

Work : Wet rubble/cobble masonry

Unit price : F/C 9.30 US\$/m<sup>2</sup> L/C 7.20 US\$/m<sup>2</sup>  
(Total 16.50 equiv.US\$/ m<sup>2</sup>)

Remarks : 20 sq.m at 50 cm thickness basis

20 sq.m basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Labor							
a) Foreman		m.d.	1.00		0.00	9.28	9.28
b) Mason		m.d.	2.00		0.00	7.28	14.56
c) Concrete worker		m.d.	1.00		0.00	5.32	5.32
d) Carpenter		m.d.	1.00		0.00	7.28	7.28
e) Common labor		m.d.	4.00		0.00	4.64	18.56
sub-total 1					0.00		55.00
2 Material							
a) Rubble		cu.m	4.72	7.21	34.03	3.09	14.58
b) Gravel&sand		cu.m	5.68	7.21	40.95	3.09	17.55
c) Cement		ton	1.02	53.62	54.69	22.98	23.44
d) Aggregate		cu.m	1.32	10.85	14.32	4.65	6.14
e) Light oil		lit.	4.10	0.16	0.66	0.04	0.16
f) Lubricant	20 % of e)	L.S.	1.00		0.13		0.03
g) Miscellaneous	5%	L.S.	1.00		7.24		3.10
sub-total 2					152.02		65.00
3 Equipment							
a) Concrete mixer	0.2 m3	day	0.15	11.45	1.72	2.86	0.43
b) Diesel generator	20 kVA	day	0.15	7.10	1.07	1.78	0.27
sub-total 3						2.79	0.70
4 Overhead	20%	L.S.	1.00		30.96		24.14
Total for	20 m <sup>2</sup>					185.77	144.84
Unit price for 1 m <sup>2</sup>						9.30	7.20





No. 308

Breakdown of Unit Price

Work : Installation of PVC pipe, 50 mm

Unit price : F/C 2.20 US\$/m L/C 0.80 US\$/m

(Total 3.00 equiv.US\$/m)

Remarks : 100 m basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.10		0.00	10.00	1.00
e) Pipe fitter		m.d.	2.00		0.00	6.10	12.20
g) Common labor		m.d.	2.00		0.00	4.70	9.40
sub-total 1					0.00		22.60
<b>2 Material</b>							
a) PVC pipe	50 mm	lin.m	100.00	1.74	174.00	0.44	44.00
b) Gravel & sand		cu.m	1.00	7.21	7.21	3.09	3.09
c) Miscellaneous	3%	L.S.	1.00		5.44		1.41
sub-total 2					181.21		47.09
<b>3 Overhead</b>	20%	L.S.	1.00		36.24		13.94
<b>Total</b>					217.45		83.63
<b>Unit price for 1 m</b>					2.20		0.80



No. 402

Breakdown of Unit Price

Work : Driving steel sheet pile, YSPF, W-400mm

Unit price : F/C 10.93 US\$/m2 L/C 3.82 US\$/m2

(Total 14.75 equiv.US\$/m2)

Remarks : 20 nos. basis or 9 m pile

72.00 m basis with pile head treatment 0.40 m wide

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	1.00		0.00	9.28	9.28
b) Operator A		m.d.	1.56		0.00	10.60	16.54
c) Operator B		m.d.	1.56		0.00	7.28	11.36
d) Rigger		m.d.	2.00		0.00	9.28	18.56
e) Common labor		m.d.	2.00		0.00	4.64	9.28
sub-total 1					0.00		65.02
<b>2 Material</b>							
a) Light oil		lit.	55.60	0.16	8.90	0.04	2.22
b) Lubricant	20 % of a)	L.S.	1.00		1.78		0.44
sub-total 2					10.68		2.66
<b>3 Equipment</b>							
a) Hydraulic pile driver	4-5 t	hr	8.00	76.62	612.96	19.15	153.20
b) Truck crane, hyd.	15 t	hr	2.40	13.34	32.02	3.33	7.99
sub-total 3					644.98		161.19
<b>4 Overhead</b>	20%	L.S.	1.00		131.00		46.00
Total for	72 m2 basis				786.66		274.87
Unit price for 1 m					10.93		3.82

No. 403

## Breakdown of Unit Price

Work : Furnishing RC pile, 250x250mm

Unit price : F/C 6.93 US\$/m L/C 4.17 US\$/m(Total 11.10 equiv.US\$/m)Remarks : 100 m basis or 0.0625 m<sup>3</sup>/m6.25 cu.m basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1	Concrete, type I (Ref.to No.501)	cu.m	6.25	55.60	347.50	25.31	158.19
2	Formwork, FI (Ref.to No.506-2)	sq.m	19.69	1.99	39.18	7.08	139.41
3	Reinforcing bars (Ref.to No.508)	kg	625.00	0.44	275.00	0.16	100.00
4	Loading, hauling and unloading						
a)	Operator A	m.d.	0.32		0.00	10.60	3.39
b)	Operator B	m.d.	0.20		0.00	7.28	1.46
c)	Common labor	m.d.	1.00		0.00	4.64	4.64
d)	Light oil	lit.	23.78	0.16	3.80	0.04	0.95
e)	Lubricant 20% od d)	L.S.	1.00		0.76		0.19
f)	Dump truck 8 t	hr	0.81	4.90	3.97	1.23	1.00
f)	Truck crane, hyd. 15 t	hr	1.33	13.34	17.74	3.33	4.43
g)	Overhead 20%	L.S.	1.00		5.25		3.21
					31.52		19.27
	Total for 100 m basis				693.20		416.87
	Unit price for 1 m				6.93		4.17

No. 404

Breakdown of Unit Price

Work : Driving RC pile, 250x250mm

Unit price : F/C 7.44 US\$/m L/C 2.40 US\$/m

(Total 9.84 equiv.US\$/ m)

Remarks : 100 m basis

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	1.00		0.00	9.28	9.28
b) Operator A		m.d.	1.20		0.00	10.60	12.72
c) Operator B		m.d.	1.20		0.00	7.28	8.74
d) Rigger		m.d.	1.00		0.00	9.28	9.28
e) Common labor		m.d.	1.00		0.00	4.64	4.64
sub-total 1					0.00		44.66
<b>2 Material</b>							
a) Light oil		lit.	35.20	0.16	5.63	0.04	1.41
b) Lubricant	20 % of a)	L.S.	1.00		1.13		0.28
sub-total 2					6.76		1.69
<b>3 Equipment</b>							
a) Hydraulic pile driver	4-5 t	hr	8.00	76.62	612.96	19.15	153.20
sub-total 3					612.96		153.20
<b>4 Overhead</b>							
	20%	L.S.	1.00		124.00		40.00
Total for	100 m				743.72		239.55
Unit price for 1 m					7.44		2.40



No. 405

## Breakdown of Unit Price

Work : Furnishing RC pile, 300x300mm

Unit price : F/C 9.88 US\$/m L/C 5.93 US\$/m(Total 15.81 equiv.US\$/m)Remarks : 100 m basis or 0.09 m<sup>3</sup>/m

9.00 cu.m basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1	Concrete, type I (Ref.to No.501)	cu.m	9.00	55.60	500.40	25.31	227.79
2	Formwork, F2 (Ref.to No.506-2)	sq.m	28.35	1.99	56.42	7.08	200.72
3	Reinforcing bars (Ref.to No.508)	kg	900.00	0.44	396.00	0.16	144.00
4	Loading, hauling and unloading						
a)	Operator A	m.d.	0.38		0.00	10.60	4.03
b)	Operator B	m.d.	0.20		0.00	7.28	1.46
c)	Common labor	m.d.	1.00		0.00	4.64	4.64
d)	Light oil	lit.	29.32	0.16	4.69	0.04	1.17
e)	Lubricant 20% od d)	L.S.	1.00		0.94		0.23
f)	Dump truck 8 t	hr	1.17	4.90	5.73	1.23	1.44
f)	Truck crane, hyd. 15 t	hr	1.33	13.34	17.74	3.33	4.43
g)	Overhead 20%	L.S.	1.00		5.82		3.48
					34.92		20.88
	Total for 100 m basis				987.74		593.39
	Unit price for 1 m				9.88		5.93

No. 406

Breakdown of Unit Price

Work : Driving RC pile, 300x300mm

Unit price : F/C 7.44 US\$/m L/C 2.40 US\$/m  
 (Total 9.84 equiv.US\$/m)

Remarks : 100 m basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	1.00		0.00	9.28	9.28
b) Operator A		m.d.	1.20		0.00	10.60	12.72
c) Operator B		m.d.	1.20		0.00	7.28	8.74
d) Rigger		m.d.	1.00		0.00	9.28	9.28
e) Common labor		m.d.	1.00		0.00	4.64	4.64
sub-total 1					0.00		44.66
<b>2 Material</b>							
a) Light oil		lit.	35.20	0.16	5.63	0.04	1.41
b) Lubricant	20 % of a)	L.S.	1.00		1.13		0.28
sub-total 2					6.76		1.69
<b>3 Equipment</b>							
a) Hydraulic pile driver	4-5 t	hr	8.00	76.62	612.96	19.15	153.20
sub-total 3					612.96		153.20
<b>4 Overhead</b>	20%	L.S.	1.00		124.00		40.00
Total for 100 m					743.72		239.55
Unit price for 1 m					7.44		2.40

No. 407

## Breakdown of Unit Price

Work : Furnishing and driving test PC pile, A-350mm, L=7m

Unit price : F/C 214.00 US\$/no. L/C 90.00 US\$/no.  
 (Total 304.00 equiv. US\$/m)

Remarks : 1 no. basis or 9 m pile 0.151 ton/m 0.08 ton  
 9 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Labor							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.19		0.00	10.60	2.01
c) Operator B		m.d.	0.19		0.00	7.28	1.38
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.00		0.00	9.28	0.00
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		10.82
2 Material							
a) PC pile, A-350mm, L=9m	w/cap and shoe	no.	1.00	105.15	105.15	45.07	45.07
b)							
c) Light oil		lit.	7.80	0.16	1.25	0.04	0.31
d) Lubricant	20 % of c)	L.S.	1.00		0.25		0.06
e) Miscellaneous	3%	L.S.	1.00		3.20		1.36
sub-total 2					109.85		46.80
3 Equipment							
a) Hydraulic pile driver	4-5 t	hr	0.80	76.62	61.30	19.15	15.32
b) Truck crane, hyd.	15 t	hr	0.48	13.34	6.40	3.33	1.60
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					67.75		16.93
4 Overhead	20%	L.S.	1.00		36.00		15.00
Total for	1 no. basis with pile head treatment				213.60		89.55
Unit price for 1 m					214.00		90.00

No. 408

**Breakdown of Unit Price**

Work : Furnishing and driving test PC pile, A-350mm, L=8m

Unit price : F/C 228.00 US\$/no. L/C 96.00 US\$/no.

(Total 324.00 equiv.US\$/m)

Remarks : 1 no. basis or 10 m pile 0.151 ton/m 0.08 ton

10 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.19		0.00	10.60	2.01
c) Operator B		m.d.	0.19		0.00	7.28	1.38
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.00		0.00	9.28	0.00
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		10.82
<b>2 Material</b>							
a) PC pile, A-350mm, L=10m	w/cap and shoe	no.	1.00	117.07	117.07	50.18	50.18
b)							
c) Light oil		lit.	7.80	0.16	1.25	0.04	0.31
d) Lubricant	20 % of c)	L.S.	1.00		0.25		0.06
e) Miscellaneous	3%	L.S.	1.00		3.56		1.52
sub-total 2					122.13		52.07
<b>3 Equipment</b>							
a) Hydraulic pile driver	4-5 t	hr	0.80	76.62	61.30	19.15	15.32
b) Truck crane, hyd.	15 t	hr	0.48	13.34	6.40	3.33	1.60
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					67.75		16.93
<b>4 Overhead</b>							
	20%	L.S.	1.00		38.00		16.00
Total for	1 no. basis with pile head treatment				227.88		95.82
Unit price for 1 m					228.00		96.00

No. 409

Breakdown of Unit Price

Work : Furnishing and driving test PC pile, A-350mm, L=9m

Unit price : F/C 242.00 USS/no. L/C 102.00 USS/no.  
 (Total 344.00 equiv.USS/ m)

Remarks : 1 no. basis or 11 m pile 0.151 ton/m 0.08 ton  
11 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Labor							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.19		0.00	10.60	2.01
c) Operator B		m.d.	0.19		0.00	7.28	1.38
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.00		0.00	9.28	0.00
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		10.82
2 Material							
a) PC pile, A-350mm, L=11m	w/cap and shoe	no.	1.00	128.98	128.98	55.28	55.28
b)							
c) Light oil		lit.	7.80	0.16	1.25	0.04	0.31
d) Lubricant	20 % of c)	L.S.	1.00		0.25		0.06
e) Miscellaneous	3%	L.S.	1.00		3.91		1.67
sub-total 2					134.39		57.32
3 Equipment							
a) Hydraulic pile driver	4-5 t	hr	0.80	76.62	61.30	19.15	15.32
b) Truck crane, hyd.	15 t	hr	0.48	13.34	6.40	3.33	1.60
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					67.75		16.93
4 Overhead	20%	L.S.	1.00		40.00		17.00
Total for	1 no. basis with pile head treatment				242.14		102.07
Unit price for 1 m					242.00		102.00

No. 410

Breakdown of Unit Price

Work : Furnishing and driving test PC pile, A-350mm, L=10m

Unit price : F/C 299.00 US\$/no. L/C 124.00 US\$/no.  
 (Total 423.00 equiv.US\$/m)

Remarks : 1 no. basis or 12 m pile 0.151 ton/m 0.08 ton  
 12 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.29		0.00	10.60	3.07
c) Operator B		m.d.	0.29		0.00	7.28	2.11
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.20		0.00	9.28	1.86
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		14.47
<b>2 Material</b>							
a) PC pile, A-350mm, L=6m	w/cap at both ends	no.	1.00	70.90	70.90	30.39	30.39
b) PC pile, A-350mm, L=6m	w/cap and shoe	no.	1.00	69.71	69.71	29.88	29.88
c) Light oil		lit.	11.60	0.16	1.86	0.04	0.46
d) Lubricant	20 % of c)	L.S.	1.00		0.37		0.09
e) Miscellaneous	3%	L.S.	1.00		4.29		1.82
sub-total 2					147.13		62.64
<b>3 Equipment</b>							
a) Hydraulic pile driver	4-5 t	hr	1.20	76.62	91.94	19.15	22.98
b) Truck crane, hyd.	15 t	hr	0.72	13.34	9.60	3.33	2.40
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					101.59		25.39
4 Overhead	20%	L.S.	1.00		50.00		21.00
Total for	1	no. basis with pile head treatment			298.72		123.50
Unit price for 1 m					299.00		124.00

No. 411		Breakdown of Unit Price					
Work :		Furnishing and driving test PC pile, A-350mm, L=11m					
Unit price :		F/C 313.00 US\$/no.		L/C 130.00 US\$/no.			
		(Total 443.00 equiv. US\$/m)					
Remarks :		1 no. basis or		13 m pile		0.151 ton/m	
		13 m basis with pile head treatment		0.50 m		0.08 ton	
Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a)	Foreman	m.d.	0.20		0.00	9.28	1.86
b)	Operator A	m.d.	0.29		0.00	10.60	3.07
c)	Operator B	m.d.	0.29		0.00	7.28	2.11
d)	Rigger	m.d.	0.50		0.00	9.28	4.64
e)	Welder	m.d.	0.20		0.00	9.28	1.86
f)	Common labor	m.d.	0.20		0.00	4.64	0.93
	sub-total 1				0.00		14.47
<b>2 Material</b>							
a)	PC pile, A-350mm, L=6m	w/cap at both ends	no.	1.00	70.90	70.90	30.39
b)	PC pile, A-350mm, L=7m	w/cap and shoe	no.	1.00	81.62	81.62	34.98
c)	Light oil		lit.	11.60	0.16	1.86	0.04
d)	Lubricant	20 % of c)	L.S.	1.00		0.37	0.09
e)	Miscellaneous	3%	L.S.	1.00		4.64	1.98
	sub-total 2					159.39	67.90
<b>3 Equipment</b>							
a)	Hydraulic pile driver	4-5 t	hr	1.20	76.62	91.94	19.15
b)	Truck crane, hyd.	15 t	hr	0.72	13.34	9.60	3.33
c)	Dump truck	8 t	hr	0.01	4.90	0.05	1.23
	sub-total 3					101.59	25.39
<b>4 Overhead</b>							
		20%	L.S.	1.00		52.00	22.00
Total for		1	no. basis with pile head treatment			312.98	129.76
Unit price for 1 m						313.00	130.00

No. 412

## Breakdown of Unit Price

Work : Furnishing and driving test PC pile, A-350mm, L=12mUnit price : E/C 328.00 USS/no. L/C 136.00 USS/no.(Total 464.00 equiv.USS/ m)Remarks : 1 no. basis or 14 m pile 0.151 ton/m 0.08 ton14 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	E/C Portion (USS)		L/C Portion (USS)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.29		0.00	10.60	3.07
c) Operator B		m.d.	0.29		0.00	7.28	2.11
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.20		0.00	9.28	1.86
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		14.47
<b>2 Material</b>							
a) PC pile, A-350mm, L=7m	w/cap at both ends	no.	1.00	82.52	82.52	35.37	35.37
b) PC pile, A-350mm, L=7m	w/cap and shoe	no.	1.00	81.62	81.62	34.98	34.98
c) Light oil		lit.	11.60	0.16	1.86	0.04	0.46
d) Lubricant	20 % of c)	L.S.	1.00		0.37		0.09
e) Miscellaneous	3%	L.S.	1.00		4.99		2.13
sub-total 2					171.36		73.03
<b>3 Equipment</b>							
a) Hydraulic pile driver	4-5 t	hr	1.20	76.62	91.94	19.15	22.98
b) Truck crane, hyd.	15 t	hr	0.72	13.34	9.60	3.33	2.40
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					101.59		25.39
4 Overhead	20%	L.S.	1.00		55.00		23.00
Total for	1 no. basis with pile head treatment				327.95		135.89
Unit price for 1 m					328.00		136.00



No. 413

Breakdown of Unit Price

Work : Furnishing and driving test PC pile, A-350mm, L=13m

Unit price : F/C 342.00 USS/no. L/C 142.00 USS/no.  
 (Total 484.00 equiv.USS/ m)

Remarks : 1 no. basis or 15 m pile 0.151 ton/m 0.08 ton  
15 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (USS)		L/C Portion (USS)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.29		0.00	10.60	3.07
c) Operator B		m.d.	0.29		0.00	7.28	2.11
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.20		0.00	9.28	1.86
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		14.47
<b>2 Material</b>							
a) PC pile, A-350mm, L=6m	w/cap at both ends	no.	1.00	70.90	70.90	30.39	30.39
b) PC pile, A-350mm, L=9m	w/cap and shoe	no.	1.00	105.15	105.15	45.07	45.07
c) Light oil		lit.	11.60	0.16	1.86	0.04	0.46
d) Lubricant	20 % of c)	L.S.	1.00		0.37		0.09
e) Miscellaneous	3%	L.S.	1.00		5.35		2.28
sub-total 2					183.63		78.29
<b>3 Equipment</b>							
a) Hydraulic pile driver	4-5 t	hr	1.20	76.62	91.94	19.15	22.98
b) Truck crane, hyd.	15 t	hr	0.72	13.34	9.60	3.33	2.40
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					101.59		25.39
<b>4 Overhead</b>	20%	L.S.	1.00		57.00		24.00
<b>Total for 1</b>	<b>no. basis with pile head treatment</b>				<b>342.22</b>		<b>142.15</b>
<b>Unit price for 1 m</b>					<b>342.00</b>		<b>142.00</b>

No. 414

## Breakdown of Unit Price

Work : Furnishing and driving test PC pile, A-350mm, L=14mUnit price : F/C 358.00 US\$/no. L/C 148.00 US\$/no.(Total 506.00 equiv.US\$/ m)Remarks : 1 no. basis or 16 m pile 0.151 ton/m 0.08 ton16 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.29		0.00	10.60	3.07
c) Operator B		m.d.	0.29		0.00	7.28	2.11
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.20		0.00	9.28	1.86
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		14.47
<b>2 Material</b>							
a) PC pile, A-350mm, L=6m	w/cap at both ends	no.	1.00	70.90	70.90	30.39	30.39
b) PC pile, A-350mm, L=10m	w/cap and shoe	no.	1.00	117.07	117.07	50.18	50.18
c) Light oil		lit.	11.60	0.16	1.86	0.04	0.46
d) Lubricant	20 % of c)	L.S.	1.00		0.37		0.09
e) Miscellaneous	3%	L.S.	1.00		5.71		2.43
sub-total 2					195.91		83.55
<b>3 Equipment</b>							
a) Hydraulic pile driver	4-5 t	hr	1.20	76.62	91.94	19.15	22.98
b) Truck crane, hyd.	15 t	hr	0.72	13.34	9.60	3.33	2.40
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					101.59		25.39
<b>4 Overhead</b>							
	20%	L.S.	1.00		60.00		25.00
Total for 1	no. basis with pile head treatment				357.50		148.41
Unit price for 1 m					358.00		148.00

No. 415

Breakdown of Unit Price

Work : Furnishing and driving test PC pile, A-350mm, L=15m

Unit price : F/C 372.00 US\$/no. L/C 155.00 US\$/no.

(Total 527.00 equiv.US\$/ m)

Remarks : 1 no. basis or 17 m pile 0.151 ton/m 0.08 ton

17 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.29		0.00	10.60	3.07
c) Operator B		m.d.	0.29		0.00	7.28	2.11
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.20		0.00	9.28	1.86
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		14.47
<b>2 Material</b>							
a) PC pile, A-350mm, L=6m	w/cap at both ends	no.	1.00	70.90	70.90	30.39	30.39
b) PC pile, A-350mm, L=11m	w/cap and shoe	no.	1.00	128.98	128.98	55.28	55.28
c) Light oil		lit.	11.60	0.16	1.86	0.04	0.46
d) Lubricant	20 % of c)	L.S.	1.00		0.37		0.09
e) Miscellaneous	3%	L.S.	1.00		6.06		2.59
sub-total 2					208.17		88.81
<b>3 Equipment</b>							
a) Hydraulic pile driver	4.5 t	hr	1.20	76.62	91.94	19.15	22.98
b) Truck crane, hyd.	15 t	hr	0.72	13.34	9.60	3.33	2.40
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					101.59		25.39
4 Overhead	20%	L.S.	1.00		62.00		26.00
Total for	1 no. basis with pile head treatment				371.76		154.67
Unit price for 1 m					372.00		155.00

No. 416

Breakdown of Unit Price

Work : Furnishing and driving test PC pile, A-350mm, L=16m

Unit price: F/C 386.00 US\$/no. L/C 161.00 US\$/no.  
 (Total 547.00 equiv.US\$/m)

Remarks: 1 no. basis or 18 m pile 0.151 ton/m 0.08 ton  
18 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Labor							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.29		0.00	10.60	3.07
c) Operator B		m.d.	0.29		0.00	7.28	2.11
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.20		0.00	9.28	1.86
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		14.47
2 Material							
a) PC pile, A-350mm, L=7m	w/cap at both ends	no.	1.00	82.52	82.52	35.37	35.37
b) PC pile, A-350mm, L=11m	w/cap and shoe	no.	1.00	128.98	128.98	55.28	55.28
c) Light oil		lit.	11.60	0.16	1.86	0.04	0.46
d) Lubricant	20% of c)	L.S.	1.00		0.37		0.09
e) Miscellaneous	3%	L.S.	1.00		6.41		2.74
sub-total 2					220.14		93.94
3 Equipment							
a) Hydraulic pile driver	4-5 t	hr	1.20	76.62	91.94	19.15	22.98
b) Truck crane, hyd.	15 t	hr	0.72	13.34	9.60	3.33	2.40
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					101.59		25.39
4 Overhead	20%	L.S.	1.00		64.00		27.00
Total for 1	no. basis with pile head treatment				385.73		160.80
Unit price for 1 m					386.00		161.00

No. 417

## Breakdown of Unit Price

Work : Furnishing and driving test PC pile, A-350mm, L=17m

Unit price : F/C 401.00 US\$/no. L/C 167.00 US\$/no.  
 (Total 568.00 equiv.US\$/m)

Remarks : 1 no. basis or 19 m pile 0.151 ton/m 0.08 ton  
19 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Labor							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.29		0.00	10.60	3.07
c) Operator B		m.d.	0.29		0.00	7.28	2.11
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.20		0.00	9.28	1.86
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		14.47
2 Material							
a) PC pile, A-350mm, L=9m	w/cap at both ends	no.	1.00	106.35	106.35	45.58	45.58
b) PC pile, A-350mm, L=10m	w/cap and shoe	no.	1.00	117.07	117.07	50.18	50.18
c) Light oil		lit.	11.60	0.16	1.86	0.04	0.46
d) Lubricant	20% of c)	L.S.	1.00		0.37		0.09
e) Miscellaneous	3%	L.S.	1.00		6.77		2.89
sub-total 2					232.42		99.20
3 Equipment							
a) Hydraulic pile driver	4-5 t	hr	1.20	76.62	91.94	19.15	22.98
b) Truck crane, hyd.	15 t	hr	0.72	13.34	9.60	3.33	2.40
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					101.59		25.39
4 Overhead	20%	L.S.	1.00		67.00		28.00
Total for	1 no. basis with pile head treatment				401.01		167.06
Unit price for 1 m					401.00		167.00

No. 418

Breakdown of Unit Price

Work : Furnishing and driving test PC pile, A-350mm, L=18m

Unit price : F/C 415.00 USS/no. L/C 173.00 USS/no.

(Total 588.00 equiv.USS/ m)

Remarks : 1 no. basis or 20 m pile 0.151 ton/m 0.08 ton

20 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (USS)		L/C Portion (USS)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.29		0.00	10.60	3.07
c) Operator B		m.d.	0.29		0.00	7.28	2.11
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.20		0.00	9.28	1.86
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		14.47
<b>2 Material</b>							
a) PC pile, A-350mm, L=9m	w/cap at both ends	no.	1.00	106.35	106.35	45.58	45.58
b) PC pile, A-350mm, L=11m	w/cap and shoe	no.	1.00	128.98	128.98	55.28	55.28
c) Light oil		lit.	11.60	0.16	1.86	0.04	0.46
d) Lubricant	20% of c)	L.S.	1.00		0.37		0.09
e) Miscellaneous	3%	L.S.	1.00		7.13		3.04
sub-total 2					244.69		104.45
<b>3 Equipment</b>							
a) Hydraulic pile driver	4.5 t	hr	1.20	76.62	91.94	19.15	22.98
b) Truck crane, hyd.	15 t	hr	0.72	13.34	9.60	3.33	2.40
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					101.59		25.39
<b>4 Overhead</b>							
	20%	L.S.	1.00		69.00		29.00
Total for	1 no. basis with pile head treatment				415.28		173.31
Unit price for 1 m					415.00		173.00

No. 419

Breakdown of Unit Price

Work : Furnishing and driving test PC pile, B-350mm, L=11m

Unit price : F/C 358.00 US\$/no. L/C 149.00 US\$/no.  
 (Total 507.00 equiv.US\$/m)

Remarks : 1 no. basis or 13 m pile 0.151 ton/m 0.08 ton  
13 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.29		0.00	10.60	3.07
c) Operator B		m.d.	0.29		0.00	7.28	2.11
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.20		0.00	9.28	1.86
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		14.47
<b>2 Material</b>							
a) PC pile, B-350mm, L=6m	w/cap at both ends	no.	1.00	87.88	87.88	37.66	37.66
b) PC pile, B-350mm, L=7m	w/cap and shoe	no.	1.00	100.98	100.98	43.28	43.28
c) Light oil		lit.	11.60	0.16	1.86	0.04	0.46
d) Lubricant	20% of c)	L.S.	1.00		0.37		0.09
e) Miscellaneous	3%	L.S.	1.00		5.73		2.44
sub-total 2					196.82		83.93
<b>3 Equipment</b>							
a) Hydraulic pile driver	4-5 t	hr	1.20	76.62	91.94	19.15	22.98
b) Truck crane, hyd.	15 t	hr	0.72	13.34	9.60	3.33	2.40
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					101.59		25.39
4 Overhead	20%	L.S.	1.00		60.00		25.00
Total for	1 no. basis with pile head treatment				358.41		148.79
Unit price for 1 m					358.00		149.00

No. 420

## Breakdown of Unit Price

Work : Furnishing and driving test PC pile, B-350mm, L=12mUnit price : F/C 376.00 USS/no. L/C 156.00 USS/no.(Total 532.00 equiv. USS/ m)

Remarks : 1 no. basis or 14 m pile 0.151 ton/m 0.08 ton

14 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (USS)		L/C Portion (USS)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.29		0.00	10.60	3.07
c) Operator B		m.d.	0.29		0.00	7.28	2.11
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.20		0.00	9.28	1.86
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		14.47
<b>2 Material</b>							
a) PC pile, B-350mm, L=7m	w/cap at both ends	no.	1.00	102.47	102.47	43.92	43.92
b) PC pile, B-350mm, L=7m	w/cap and shoe	no.	1.00	100.98	100.98	43.28	43.28
c) Light oil		lit.	11.60	0.16	1.86	0.04	0.46
d) Lubricant	20 % of c)	L.S.	1.00		0.37		0.09
e) Miscellaneous	3%	L.S.	1.00		6.17		2.63
sub-total 2					211.85		90.38
<b>3 Equipment</b>							
a) Hydraulic pile driver	4-5 t	hr	1.20	76.62	91.94	19.15	22.98
b) Truck crane, hyd.	15 t	hr	0.72	13.34	9.60	3.33	2.40
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					101.59		25.39
<b>4 Overhead</b>	20%	L.S.	1.00		63.00		26.00
Total for	1 no. basis with pile head treatment				376.44		156.24
Unit price for 1 m					376.00		156.00



No. 421

## Breakdown of Unit Price

Work : Furnishing and driving test PC pile, B-350mm, L=13mUnit price : F/C 395.00 US\$/no. L/C 164.00 US\$/no.  
(Total 559.00 equiv.US\$/ m)Remarks : 1 no. basis or 15 m pile 0.151 ton/m 0.08 ton  
15 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.29		0.00	10.60	3.07
c) Operator B		m.d.	0.29		0.00	7.28	2.11
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.20		0.00	9.28	1.86
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		14.47
<b>2 Material</b>							
a) PC pile, B-350mm, L=6m	w/cap at both ends	no.	1.00	87.88	87.88	37.66	37.66
b) PC pile, B-350mm, L=9m	w/cap and shoe	no.	1.00	130.47	130.47	55.92	55.92
c) Light oil		lit.	11.60	0.16	1.86	0.04	0.46
d) Lubricant	20 % of c)	L.S.	1.00		0.37		0.09
e) Miscellaneous	3%	L.S.	1.00		6.62		2.82
sub-total 2					227.20		96.95
<b>3 Equipment</b>							
a) Hydraulic pile driver	4.5 t	hr	1.20	76.62	91.94	19.15	22.98
b) Truck crane, hyd.	15 t	hr	0.72	13.34	9.60	3.33	2.40
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					101.59		25.39
<b>4 Overhead</b>							
	20%	L.S.	1.00		66.00		27.00
Total for	1 no. basis with pile head treatment				394.79		163.81
Unit price for 1 m					395.00		164.00

No. 422

## Breakdown of Unit Price

Work : Furnishing and driving test PC pile, B-350mm, L=17m

Unit price : F/C 467.00 US\$/no. L/C 196.00 US\$/no.(Total 663.00 equiv.US\$/m)

Remarks : 1 no. basis or 19 m pile 0.151 ton/m 0.08 ton

19 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.29		0.00	10.60	3.07
c) Operator B		m.d.	0.29		0.00	7.28	2.11
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.20		0.00	9.28	1.86
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		14.47
<b>2 Material</b>							
a) PC pile, B-350mm, L=9m	w/cap at both ends	no.	1.00	131.66	131.66	56.43	56.43
b) PC pile, B-350mm, L=10m	w/cap and shoe	no.	1.00	145.07	145.07	62.18	62.18
c) Light oil		lit.	11.60	0.16	1.86	0.04	0.46
d) Lubricant	20% of c)	L.S.	1.00		0.37		0.09
e) Miscellaneous	3%	L.S.	1.00		8.37		3.57
sub-total 2					287.33		122.73
<b>3 Equipment</b>							
a) Hydraulic pile driver	4.5 t	hr	1.20	76.62	91.94	19.15	22.98
b) Truck crane, hyd.	15 t	hr	0.72	13.34	9.60	3.33	2.40
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					101.59		25.39
<b>4 Overhead</b>							
	20%	L.S.	1.00		78.00		33.00
<b>Total for</b>	<b>1</b>	<b>no. basis with pile head treatment</b>			<b>466.92</b>		<b>195.59</b>
<b>Unit price for 1 m</b>					<b>467.00</b>		<b>196.00</b>

No. 423		Breakdown of Unit Price					
Work :		Furnishing and driving test PC pile, B-350mm, L=18m					
Unit price :		F/C 485.00 US\$/no.		L/C 203.00 US\$/no.			
		(Total 688.00 equiv.US\$/m)					
Remarks :		1 no. basis or 20 m pile		0.151 ton/m		0.08 ton	
		20 m basis with pile head treatment		0.50 m			
Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a)	Foreman	m.d.	0.20		0.00	9.28	1.86
b)	Operator A	m.d.	0.29		0.00	10.60	3.07
c)	Operator B	m.d.	0.29		0.00	7.28	2.11
d)	Rigger	m.d.	0.50		0.00	9.28	4.64
e)	Welder	m.d.	0.20		0.00	9.28	1.86
f)	Common labor	m.d.	0.20		0.00	4.64	0.93
	sub-total 1				0.00		14.47
<b>2 Material</b>							
a)	PC pile, B-350mm, L=9m	w/cap at both ends	no.	1.00	131.66	131.66	56.43
b)	PC pile, B-350mm, L=11m	w/cap and shoe	no.	1.00	159.96	159.96	68.56
c)	Light oil		lit.	11.60	0.16	1.86	0.46
d)	Lubricant	20% of c)	L.S.	1.00		0.37	0.09
e)	Miscellaneous	3%	L.S.	1.00		8.82	3.77
	sub-total 2					302.67	129.31
<b>3 Equipment</b>							
a)	Hydraulic pile driver	4.5 t	hr	1.20	76.62	91.94	22.98
b)	Truck crane, hyd.	15 t	hr	0.72	13.34	9.60	2.40
c)	Dump truck	8 t	hr	0.01	4.90	0.05	0.01
	sub-total 3					101.59	25.39
<b>4 Overhead</b>							
		20%	L.S.	1.00		81.00	34.00
Total for		1 no. basis with pile head treatment			485.26		203.17
Unit price for 1 m					485.00		203.00

No. 424

Breakdown of Unit Price

Work : Furnishing and driving test PC pile, B-400mm, L=11m

Unit price : F/C 432.00 US\$/no. L/C 180.00 US\$/no.  
 (Total 612.00 equiv.US\$/m)

Remarks : 1 no. basis or 13 m pile 0.199 ton/m 0.10 ton  
13 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.29		0.00	10.60	3.07
c) Operator B		m.d.	0.29		0.00	7.28	2.11
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.20		0.00	9.28	1.86
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		14.47
<b>2 Material</b>							
a) PC pile, B-400mm, L=6m	w/cap at both ends	no.	1.00	115.88	115.88	49.66	49.66
b) PC pile, B-400mm, L=7m	w/cap and shoe	no.	1.00	133.15	133.15	57.07	57.07
c) Light oil		lit.	11.60	0.16	1.86	0.04	0.46
d) Lubricant	20% of c)	L.S.	1.00		0.37		0.09
e) Miscellaneous	3%	L.S.	1.00		7.54		3.22
sub-total 2					258.80		110.50
<b>3 Equipment</b>							
a) Hydraulic pile driver	4.5 t	hr	1.20	76.62	91.94	19.15	22.98
b) Truck crane, hyd.	15 t	hr	0.72	13.34	9.60	3.33	2.40
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					101.59		25.39
<b>4 Overhead</b>	20%	L.S.	1.00		72.00		30.00
<b>Total for 1</b>	<b>no. basis with pile head treatment</b>				<b>432.39</b>		<b>180.36</b>
<b>Unit price for 1 m</b>					<b>432.00</b>		<b>180.00</b>

No. 425

## Breakdown of Unit Price

Work : Furnishing and driving test PC pile, B-400mm, L=12m

Unit price : F/C 456.00 US\$/no. L/C 191.00 US\$/no.

(Total 647.00 equiv.US\$/m)

Remarks : 1 no. basis or 14 m pile 0.151 ton/m 0.08 ton

14 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.29		0.00	10.60	3.07
c) Operator B		m.d.	0.29		0.00	7.28	2.11
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.20		0.00	9.28	1.86
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		14.47
<b>2 Material</b>							
a) PC pile, B-400mm, L=7m	w/cap at both ends	no.	1.00	134.94	134.94	57.83	57.83
b) PC pile, B-400mm, L=7m	w/cap and shoe	no.	1.00	133.15	133.15	57.07	57.07
c) Light oil		lit.	11.60	0.16	1.86	0.04	0.46
d) Lubricant	20 % of c)	L.S.	1.00		0.37		0.09
e) Miscellaneous	3%	L.S.	1.00		8.11		3.46
sub-total 2					278.43		118.91
<b>3 Equipment</b>							
a) Hydraulic pile driver	4.5 t	hr	1.20	76.62	91.94	19.15	22.98
b) Truck crane, hyd.	15 t	hr	0.72	13.34	9.60	3.33	2.40
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					101.59		25.39
<b>4 Overhead</b>	20%	L.S.	1.00		76.00		32.00
Total for	1 no. basis with pile head treatment				456.02		190.77
Unit price for 1 m					456.00		191.00

No. 426

## Breakdown of Unit Price

Work : Furnishing and driving test PC pile, B-400mm, L=14m

Unit price : F/C 504.00 US\$/no. L/C 211.00 US\$/no.  
 (Total 715.00 equiv. US\$/m)

Remarks : 1 no. basis or 16 m pile 0.151 ton/m 0.08 ton  
 16 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	0.20		0.00	9.28	1.86
b) Operator A		m.d.	0.29		0.00	10.60	3.07
c) Operator B		m.d.	0.29		0.00	7.28	2.11
d) Rigger		m.d.	0.50		0.00	9.28	4.64
e) Welder		m.d.	0.20		0.00	9.28	1.86
f) Common labor		m.d.	0.20		0.00	4.64	0.93
sub-total 1					0.00		14.47
<b>2 Material</b>							
a) PC pile, B-400mm, L=6m	w/cap at both ends	no.	1.00	115.88	115.88	49.66	49.66
b) PC pile, B-400mm, L=10m	w/cap and shoe	no.	1.00	190.94	190.94	81.83	81.83
c) Light oil		lit.	11.60	0.16	1.86	0.04	0.46
d) Lubricant	20% of c)	L.S.	1.00		0.37		0.09
e) Miscellaneous	3%	L.S.	1.00		9.27		3.96
sub-total 2					318.32		136.00
<b>3 Equipment</b>							
a) Hydraulic pile driver	4.5 t	hr	1.20	76.62	91.94	19.15	22.98
b) Truck crane, hyd.	15 t	hr	0.72	13.34	9.60	3.33	2.40
c) Dump truck	8 t	hr	0.01	4.90	0.05	1.23	0.01
sub-total 3					101.59		25.39
4 Overhead	20%	L.S.	1.00		84.00		35.00
Total for	1 no. basis with pile head treatment				503.91		210.86
Unit price for 1 m					504.00		211.00



No. 428

Breakdown of Unit Price

Work : Driving PC pile, A-350mm, L=7m

Unit price : F/C 11.86 US\$/m L/C 6.26 US\$/m  
 (Total 18.12 equiv.US\$/m)

Remarks : 10 nos. basis or 7 m pile 0.151 ton/m 0.76 ton  
 70 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	2.00		0.00	9.28	18.56
b) Operator A		m.d.	1.93		0.00	10.60	20.46
c) Operator B		m.d.	1.92		0.00	7.28	13.98
d) Rigger		m.d.	14.00		0.00	9.28	129.92
e) Welder		m.d.	0.00		0.00	9.28	0.00
f) Common labor		m.d.	2.00		0.00	4.64	9.28
sub-total 1					0.00		192.20
<b>2 Material</b>							
a) Light oil		lit.	77.40	0.16	12.38	0.04	3.10
b) Lubricant	20 % of a)	L.S.	1.00		2.48		0.62
sub-total 2					14.86		3.72
<b>3 Equipment</b>							
a) Hydraulic pile driver	4.5 t	hr	8.00	76.62	612.96	19.15	153.20
b) Truck crane, hyd.	15 t	hr	4.80	13.34	64.03	3.33	15.98
c) Dump truck	8 t	hr	0.09	4.90	0.44	1.23	0.11
sub-total 3					677.43		169.29
<b>4 Overhead</b>							
	20%	L.S.	1.00		138.00		73.00
<b>Total for</b>	<b>70</b>	<b>m basis with pile head treatment</b>			<b>830.29</b>		<b>438.21</b>
<b>Unit price for 1 m</b>					<b>11.86</b>		<b>6.26</b>





No. 430

Breakdown of Unit Price

Work : Driving PC pile, A-350mm, L=8m

Unit price : F/C 10.38 US\$/m L/C 5.48 US\$/m

(Total 15.86 equiv.US\$/m)

Remarks : 10 nos. basis or 8 m pile 0.151 ton/m 0.76 ton

80 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a)	Foreman	m.d.	2.00		0.00	9.28	18.56
b)	Operator A	m.d.	1.93		0.00	10.60	20.46
c)	Operator B	m.d.	1.92		0.00	7.28	13.98
d)	Rigger	m.d.	14.00		0.00	9.28	129.92
e)	Welder	m.d.	0.00		0.00	9.28	0.00
f)	Common labor	m.d.	2.00		0.00	4.64	9.28
	sub-total 1				0.00		192.20
<b>2 Material</b>							
a)	Light oil	lit.	77.40	0.16	12.38	0.04	3.10
b)	Lubricant	20 % of a)	L.S.	1.00		2.48	0.62
	sub-total 2					14.86	3.72
<b>3 Equipment</b>							
a)	Hydraulic pile driver	4-5 t	hr	8.00	76.62	612.96	19.15
b)	Truck crane, hyd.	15 t	hr	4.80	13.34	64.03	3.33
c)	Dump truck	8 t	hr	0.09	4.90	0.44	1.23
	sub-total 3					677.43	169.29
<b>4 Overhead</b>							
	20%	L.S.	1.00			138.00	73.00
Total for	80	m basis with pile head treatment				830.29	438.21
Unit price for 1 m						10.38	5.48



No. 432

Breakdown of Unit Price

Work : Driving PC pile, A-350mm, L=9m

Unit price : F/C 9.23 US\$/m L/C 4.87 US\$/m

(Total 14.10 equiv.US\$/m)

Remarks : 10 nos. basis or 9 m pile 0.151 ton/m 0.76 ton

90 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Labor							
a) Foreman		m.d.	2.00		0.00	9.28	18.56
b) Operator A		m.d.	1.93		0.00	10.60	20.46
c) Operator B		m.d.	1.92		0.00	7.28	13.98
d) Rigger		m.d.	14.00		0.00	9.28	129.92
e) Welder		m.d.	0.00		0.00	9.28	0.00
f) Common labor		m.d.	2.00		0.00	4.64	9.28
sub-total 1					0.00		192.20
2 Material							
a) Light oil		lit.	77.40	0.16	12.38	0.04	3.10
b) Lubricant	20 % of a)	L.S.	1.00		2.48		0.62
sub-total 2					14.86		3.72
3 Equipment							
a) Hydraulic pile driver	4.5 t	hr	8.00	76.62	612.96	19.15	153.20
b) Truck crane, hyd.	15 t	hr	4.80	13.34	64.03	3.33	15.98
c) Dump truck	8 t	hr	0.09	4.90	0.44	1.23	0.11
sub-total 3					677.43		169.29
4 Overhead	20%	L.S.	1.00		138.00		73.00
Total for	90 m basis with pile head treatment				830.29		438.21
Unit price for 1 m					9.23		4.87



No. 434

Breakdown of Unit Price

Work : Driving PC pile, A-350mm, L=10m

Unit price : F/C 8.30 US\$/m L/C 4.38 US\$/m  
 (Total 12.68 equiv.US\$/m)

Remarks : 10 nos. basis or 10 m pile 0.151 ton/m 0.76 ton  
 100 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	2.00		0.00	9.28	18.56
b) Operator A		m.d.	1.93		0.00	10.60	20.46
c) Operator B		m.d.	1.92		0.00	7.28	13.98
d) Rigger		m.d.	14.00		0.00	9.28	129.92
e) Welder		m.d.	0.00		0.00	9.28	0.00
f) Common labor		m.d.	2.00		0.00	4.64	9.28
sub-total 1					0.00		192.20
<b>2 Material</b>							
a) Light oil		lit.	77.40	0.16	12.38	0.04	3.10
b) Lubricant	20% of a)	L.S.	1.00		2.48		0.62
sub-total 2					14.86		3.72
<b>3 Equipment</b>							
a) Hydraulic pile driver	4.5 t	hr	8.00	76.62	612.96	19.15	153.20
b) Truck crane, hyd.	15 t	hr	4.80	13.34	64.03	3.33	15.98
c) Dump truck	8 t	hr	0.09	4.90	0.44	1.23	0.11
sub-total 3					677.43		169.29
4 Overhead	20%	L.S.	1.00		138.00		73.00
Total for	100 m basis with pile head treatment				830.29		438.21
Unit price for 1 m					8.30		4.38



No. 436

Breakdown of Unit Price

Work : Driving PC pile, A-350mm, L=11m

Unit price : F/C 7.55 US\$/m L/C 3.98 US\$/m  
 (Total 11.53 equiv.US\$/m)

Remarks : 10 nos. basis or 11 m pile 0.151 ton/m 0.76 ton  
 110 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	2.00		0.00	9.28	18.56
b) Operator A		m.d.	1.93		0.00	10.60	20.46
c) Operator B		m.d.	1.92		0.00	7.28	13.98
d) Rigger		m.d.	14.00		0.00	9.28	129.92
e) Welder		m.d.	0.00		0.00	9.28	0.00
f) Common labor		m.d.	2.00		0.00	4.64	9.28
sub-total 1					0.00		192.20
<b>2 Material</b>							
a) Light oil		lit.	77.40	0.16	12.38	0.04	3.10
b) Lubricant	20 % of a)	L.S.	1.00		2.48		0.62
sub-total 2					14.86		3.72
<b>3 Equipment</b>							
a) Hydraulic pile driver	4-5 t	hr	8.00	76.62	612.96	19.15	153.20
b) Truck crane, hyd.	15 t	hr	4.80	13.34	64.03	3.33	15.98
c) Dump truck	8 t	hr	0.09	4.90	0.44	1.23	0.11
sub-total 3					677.43		169.29
<b>4 Overhead</b>							
	20%	L.S.	1.00		138.00		73.00
Total for	110 m basis with pile head treatment				830.29		438.21
Unit price for 1 m					7.55		3.98



No. 437

Breakdown of Unit Price

Work : Furnishing PC pile, 350 mm, A type, L=12m

Unit price : F/C : 169.00 US\$/no.

L/C : 72.00 US\$/no.

(Total : 241.00 equiv.US\$/no.)

Remarks : 1 no. basis

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)		
				Unit cost	Amount	Unit cost	Amount	
1	Material							
a)	PC pile, A-350mm, L=6m	w/cap at both ends	no.	1.00	70.90	70.90	30.39	30.39
b)	PC pile, A-350mm, L=6m	w/cap and shoe	no.	1.00	69.71	69.71	29.88	29.88
	sub-total					140.61		60.27
2	Overhead	20%				28.12		12.05
	Total for 1	no.				168.73		72.32
	Unit price for 1 no.					169.00		72.00

No. 438

Breakdown of Unit Price

Work : Driving PC pile, A-350mm, L=12m

Unit price : F/C 10.38 US\$/m L/C 4.87 US\$/m  
 (Total 15.25 equiv. US\$/m)

Remarks : 10 nos. basis or 12 m pile 0.151 ton/m 0.76 ton  
 120 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a)	Foreman	m.d.	2.00		0.00	9.28	18.56
b)	Operator A	m.d.	2.89		0.00	10.60	30.63
c)	Operator B	m.d.	2.88		0.00	7.28	20.97
d)	Rigger	m.d.	14.00		0.00	9.28	129.92
e)	Welder	m.d.	2.00		0.00	9.28	18.56
f)	Common labor	m.d.	2.00		0.00	4.64	9.28
	sub-total 1				0.00		227.92
<b>2 Material</b>							
a)	Light oil	lit.	115.40	0.16	18.46	0.04	4.62
b)	Lubricant	L.S.	1.00		3.69		0.92
	sub-total 2				22.15		5.54
<b>3 Equipment</b>							
a)	Hydraulic pile driver	4-5 t	hr	12.00	76.62	919.44	19.15
b)	Truck crane, hyd.	15 t	hr	7.20	13.34	96.05	3.33
c)	Dump truck	8 t	hr	0.09	4.90	0.44	1.23
	sub-total 3					1,015.93	253.89
<b>4 Overhead</b>							
	20%	L.S.	1.00		208.00		97.00
	Total for	120	m basis with pile head treatment			1,246.08	584.35
	Unit price for 1 m					10.38	4.87

No. 439

Breakdown of Unit Price

Work : Furnishing PC pile, 350 mm, A type, L=13m

Unit price : F/C : 183.00 US\$/no. L/C : 78.00 US\$/no.

(Total : 261.00 equiv.US\$/no.)

Remarks : 1 no. basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)		
				Unit cost	Amount	Unit cost	Amount	
1	Material							
a)	PC pile, A-350mm, L=6m	w/cap at both ends	no.	1.00	70.90	70.90	30.39	30.39
b)	PC pile, A-350mm, L=7m	w/cap and shoe	no.	1.00	81.62	81.62	34.98	34.98
	sub-total					152.52		65.37
2	Overhead	20%				30.50		13.07
	Total for 1	no.				183.02		78.44
	Unit price for 1 no.					183.00		78.00

No. 440

Breakdown of Unit Price

Work : Driving PC pile, A-350mm, L=13m

Unit price : F/C 9.59 US\$/m L/C 4.50 US\$/m

(Total 14.09 equiv.US\$/m)

Remarks : 10 nos. basis or 13 m pile 0.151 ton/m 0.76 ton

130 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	2.00		0.00	9.28	18.56
b) Operator A		m.d.	2.89		0.00	10.60	30.63
c) Operator B		m.d.	2.88		0.00	7.28	20.97
d) Rigger		m.d.	14.00		0.00	9.28	129.92
e) Welder		m.d.	2.00		0.00	9.28	18.56
f) Common labor		m.d.	2.00		0.00	4.64	9.28
sub-total 1					0.00		227.92
<b>2 Material</b>							
a) Light oil		lit.	115.40	0.16	18.46	0.04	4.62
b) Lubricant	20 % of a)	L.S.	1.00		3.69		0.92
sub-total 2					22.15		5.54
<b>3 Equipment</b>							
a) Hydraulic pile driver	4-5 t	hr	12.00	76.62	919.44	19.15	229.80
b) Truck crane, hyd.	15 t	hr	7.20	13.34	96.05	3.33	23.98
c) Dump truck	8 t	hr	0.09	4.90	0.44	1.23	0.11
sub-total 3					1,015.93		253.89
<b>4 Overhead</b>	20%	L.S.	1.00		208.00		97.00
<b>Total for</b>	<b>130 m basis with pile head treatment</b>				<b>1,246.08</b>		<b>584.35</b>
<b>Unit price for 1 m</b>					<b>9.59</b>		<b>4.50</b>

No. 441

**Breakdown of Unit Price**

Work : Furnishing PC pile, 350 mm, A type, L=14m

Unit price : F/C : 197.00 US\$/no. L/C : 84.00 US\$/no.

(Total : 281.00 equiv.US\$/no.)

Remarks : 1 no. basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)		
				Unit cost	Amount	Unit cost	Amount	
1	Material							
a)	PC pile, A-350mm, L=7m	w/cap at both ends	no.	1.00	82.52	82.52	35.37	35.37
b)	PC pile, A-350mm, L=7m	w/cap and shoe	no.	1.00	81.62	81.62	34.98	34.98
	sub-total					164.14		70.35
2	Overhead	20%				32.83		14.07
	Total for	1 no.				196.97		84.42
	Unit price for 1 no.					197.00		84.00

No. 442

Breakdown of Unit Price

Work : Driving PC pile, A-350mm, L=14m

Unit price : F/C 8.90 US\$/m L/C 4.17 US\$/m

(Total 13.07 equiv.US\$/m)

Remarks : 10 nos. basis or 14 m pile 0.151 ton/m 0.76 ton

140 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	2.00		0.00	9.28	18.56
b) Operator A		m.d.	2.89		0.00	10.60	30.63
c) Operator B		m.d.	2.88		0.00	7.28	20.97
d) Rigger		m.d.	14.00		0.00	9.28	129.92
e) Welder		m.d.	2.00		0.00	9.28	18.56
f) Common labor		m.d.	2.00		0.00	4.64	9.28
sub-total 1					0.00		227.92
<b>2 Material</b>							
a) Light oil		lit.	115.40	0.16	18.46	0.04	4.62
b) Lubricant	20 % of a)	L.S.	1.00		3.69		0.92
sub-total 2					22.15		5.54
<b>3 Equipment</b>							
a) Hydraulic pile driver	4-5 t	hr	12.00	76.62	919.44	19.15	229.80
b) Truck crane, hyd.	15 t	hr	7.20	13.34	96.05	3.33	23.98
c) Dump truck	8 t	hr	0.09	4.90	0.44	1.23	0.11
sub-total 3					1,015.93		253.89
<b>4 Overhead</b>	20%	L.S.	1.00		208.00		97.00
Total for	140 m basis with pile head treatment				1,246.08		584.35
Unit price for 1 m					8.90		4.17

No. 443

**Breakdown of Unit Price**

Work : Furnishing PC pile, 350 mm, A type, L=15m

Unit price : F/C : 211.00 US\$/no.

L/C : 90.00 US\$/no.

(Total : 301.00 equiv. US\$/no.)

Remarks : 1 no. basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)		
				Unit cost	Amount	Unit cost	Amount	
1	Material							
a)	PC pile, A-350mm, L=7m	w/cap at both ends	no.	1.00	82.52	82.52	35.37	35.37
b)	PC pile, A-350mm, L=8m	w/cap and shoe	no.	1.00	93.24	93.24	39.96	39.96
	sub-total					175.76		75.33
2	Overhead	20%				35.15		15.07
	Total for 1	no.				210.91		90.40
	Unit price for 1 no.					211.00		90.00

No. 444

Breakdown of Unit Price

Work : Driving PC pile, A-350mm, L=15m

Unit price : F/C 8.31 US\$/m L/C 3.90 US\$/m  
 (Total 12.21 equiv.US\$/m)

Remarks : 10 nos. basis or 15 m pile 0.151 ton/m 0.76 ton  
 150 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Labor							
a) Foreman		m.d.	2.00		0.00	9.28	18.56
b) Operator A		m.d.	2.89		0.00	10.60	30.63
c) Operator B		m.d.	2.88		0.00	7.28	20.97
d) Rigger		m.d.	14.00		0.00	9.28	129.92
e) Welder		m.d.	2.00		0.00	9.28	18.56
f) Common labor		m.d.	2.00		0.00	4.64	9.28
sub-total 1					0.00		227.92
2 Material							
a) Light oil		lit.	115.40	0.16	18.46	0.04	4.62
b) Lubricant	20 % of a)	L.S.	1.00		3.69		0.92
sub-total 2					22.15		5.54
3 Equipment							
a) Hydraulic pile driver	4-5 t	hr	12.00	76.62	919.44	19.15	229.80
b) Truck crane, hyd.	15 t	hr	7.20	13.34	96.05	3.33	23.98
c) Dump truck	8 t	hr	0.09	4.90	0.44	1.23	0.11
sub-total 3					1,015.93		253.89
4 Overhead	20%	L.S.	1.00		208.00		97.00
Total for	150 m basis with pile head treatment				1,246.08		584.35
Unit price for 1 m					8.31		3.90



No. 445

**Breakdown of Unit Price**

Work : Furnishing PC pile, 350 mm, A type, L=16m

Unit price : F/C : 226.00 US\$/no. L/C : 97.00 US\$/no.

(Total : 323.00 equiv.US\$/no.)

Remarks : 1 no. basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)		
				Unit cost	Amount	Unit cost	Amount	
<b>1</b>	<b>Material</b>							
a)	PC pile, A-350mm, L=6m	w/cap at both ends	no.	1.00	70.90	70.90	30.39	30.39
b)	PC pile, A-350mm, L=10m	w/cap and shoe	no.	1.00	117.07	117.07	50.18	50.18
	sub-total					187.97		80.57
<b>2</b>	<b>Overhead</b>	20%				37.59		16.11
	<b>Total for 1</b>	no.				225.56		96.68
	<b>Unit price for 1 no.</b>					226.00		97.00

No. 446

## Breakdown of Unit Price

Work : Driving PC pile, A-350mm, L=16m

Unit price : F/C 7.79 US\$/m L/C 3.65 US\$/m  
 (Total 11.44 equiv.US\$/m)

Remarks : 10 nos. basis or 16 m pile 0.151 ton/m 0.76 ton  
 160 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	2.00		0.00	9.28	18.56
b) Operator A		m.d.	2.89		0.00	10.60	30.63
c) Operator B		m.d.	2.88		0.00	7.28	20.97
d) Rigger		m.d.	14.00		0.00	9.28	129.92
e) Welder		m.d.	2.00		0.00	9.28	18.56
f) Common labor		m.d.	2.00		0.00	4.64	9.28
sub-total 1					0.00		227.92
<b>2 Material</b>							
a) Light oil		lit.	115.40	0.16	18.46	0.04	4.62
b) Lubricant	20% of a)	L.S.	1.00		3.69		0.92
sub-total 2					22.15		5.54
<b>3 Equipment</b>							
a) Hydraulic pile driver	4-5 t	hr	12.00	76.62	919.44	19.15	229.80
b) Truck crane, hyd.	15 t	hr	7.20	13.34	96.05	3.33	23.98
c) Dump truck	8 t	hr	0.09	4.90	0.44	1.23	0.11
sub-total 3					1,015.93		253.89
<b>4 Overhead</b>	20%	L.S.	1.00		208.00		97.00
Total for	160 m basis with pile head treatment				1,246.08		584.35
Unit price for 1 m					7.79		3.65

No. 447

Breakdown of Unit Price

Work : Furnishing PC pile, 350 mm, A type, L=17m

Unit price : F/C : 240.00 US\$/no.

L/C : 103.00 US\$/no.

(Total : 343.00 equiv.US\$/no.)

Remarks : 1 no. basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)		
				Unit cost	Amount	Unit cost	Amount	
1	Material							
a)	PC pile, A-350mm, L=7m	w/cap at both ends	no.	1.00	82.52	82.52	35.37	35.37
b)	PC pile, A-350mm, L=10m	w/cap and shoe	no.	1.00	117.07	117.07	50.18	50.18
	sub-total					199.59		85.55
2	Overhead	20%				39.92		17.11
	Total for 1 no.					239.51		102.66
	Unit price for 1 no.					240.00		103.00

No. 448

Breakdown of Unit Price

Work : Driving PC pile, A-350mm, L=17m

Unit price : F/C 7.33 US\$/m L/C 3.44 US\$/m  
 (Total 10.77 equiv.US\$/m)

Remarks : 10 nos. basis or 17 m pile 0.151 ton/m 0.76 ton  
 170 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	2.00		0.00	9.28	18.56
b) Operator A		m.d.	2.89		0.00	10.60	30.63
c) Operator B		m.d.	2.88		0.00	7.28	20.97
d) Rigger		m.d.	14.00		0.00	9.28	129.92
e) Welder		m.d.	2.00		0.00	9.28	18.56
f) Common labor		m.d.	2.00		0.00	4.64	9.28
sub-total 1					0.00		227.92
<b>2 Material</b>							
a) Light oil		lit.	115.40	0.16	18.46	0.04	4.62
b) Lubricant	20 % of a)	L.S.	1.00		3.69		0.92
sub-total 2					22.15		5.54
<b>3 Equipment</b>							
a) Hydraulic pile driver	4.5 t	hr	12.00	76.62	919.44	19.15	229.80
b) Truck crane, hyd.	15 t	hr	7.20	13.34	96.05	3.33	23.98
c) Dump truck	8 t	hr	0.09	4.90	0.44	1.23	0.11
sub-total 3					1,015.93		253.89
<b>4 Overhead</b>							
	20%	L.S.	1.00		208.00		97.00
Total for	170 m basis with pile head treatment				1,246.08		584.35
Unit price for 1 m					7.33		3.44



No. 450

Breakdown of Unit Price

Work : Driving PC pile, A-350mm, L=18m

Unit price : F/C 6.92 US\$/m L/C 3.25 US\$/m  
 (Total 10.17 equiv.US\$/m)

Remarks : 10 nos. basis or 18 m pile 0.151 ton/m 0.76 ton  
 180 m basis with pile head treatment 0.50 m

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>1 Labor</b>							
a) Foreman		m.d.	2.00		0.00	9.28	18.56
b) Operator A		m.d.	2.89		0.00	10.60	30.63
c) Operator B		m.d.	2.88		0.00	7.28	20.97
d) Rigger		m.d.	14.00		0.00	9.28	129.92
e) Welder		m.d.	2.00		0.00	9.28	18.56
f) Common labor		m.d.	2.00		0.00	4.64	9.28
sub-total 1					0.00		227.92
<b>2 Material</b>							
a) Light oil		lit.	115.40	0.16	18.46	0.04	4.62
b) Lubricant	20% of a)	L.S.	1.00		3.69		0.92
sub-total 2					22.15		5.54
<b>3 Equipment</b>							
a) Hydraulic pile driver	4-5 t	hr	12.00	76.62	919.44	19.15	229.80
b) Truck crane, hyd.	15 t	hr	7.20	13.34	96.05	3.33	23.98
c) Dump truck	8 t	hr	0.09	4.90	0.44	1.23	0.11
sub-total 3					1,015.93		253.89
4 Overhead	20%	L.S.	1.00		208.00		97.00
Total for	180 m basis with pile head treatment				1,246.08		584.35
Unit price for 1 m					6.92		3.25